

## AMENDED CLAIMS

**in line 18 of claim 1, please change**

"said input and said output of said software," to  
--an input and an output of said software,--.

**in line 3 of claim 2, please change**

"sampling domain is a finite integer sequence K with a current" to  
--sampling domain is a finite integer sequence K driven by said software controller with a current--

**in claim 11, please change**

"(h) calling said software sensor after said internal computation unit is processed." to  
--(h) calling said software sensor after said internal computation unit is processed;--.

**in line 18 of claim 12, please change**

"calling said AfterEvent Probe," to  
--calling an AfterEvent Probe,--.

**in line 9 of the claim 13, please change**

"reroute a calling to said marker to a new function" to  
--reroute a calling to said marker function to a new function--

**in line 23 of claim 71, please change**

"said input and said output of said software," to  
--an input and an output of said software,--.

**in line 3 of the claim 72, please change**

"domain is a finite integer sequence K with a current sampling k" to  
--domain is a finite integer sequence K driven by said software controller with a current sampling k--

**in claim 81, please change**

"(h) means for calling said software sensor after said internal computation unit is processed." to  
--(h) means for calling said software sensor after said internal computation unit is processed;--.

**in line 18 of claim 82, please change**

"calling said AfterEvent Probe," to  
--calling an AfterEvent Probe,--.